

10821811

FILE 'HOME' ENTERED AT 17:04:33 ON 26 FEB 2009

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

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STRUCTURE FILE UPDATES: 25 FEB 2009 HIGHEST RN 1111946-16-7
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<http://www.cas.org/support/stngen/stdoc/properties.html>

=> s methylnaltrexone/cn
L1 1 METHYLNALTREXONE/CN

=> d 11

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 73232-52-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Morphinanium, 17-(cyclopropylmethyl)-4,5-epoxy-3,14-dihydroxy-17-methyl-6-
oxo-, bromide, (5a)- (CA INDEX NAME)

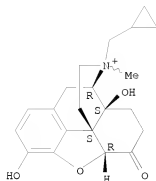
OTHER NAMES:

CN **Methylnaltrexone**
CN Methylnaltrexone bromide
CN MRZ 2663BR
CN N-Cyclopropylmethyl-noroxymorphone methobromide
CN N-Methylnaltrexone bromide
CN Naltrexone methobromide
CN Naltrexone methyl bromide
FS STEREOSEARCH
MF C21 H26 N O4 . Br
LC STN Files: ADISNEWS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CIN,
DDFU, DRUGU, EMBASE, IMSDRUGNEWS, INSPATENTS, IMSRESEARCH, IPA, PROMT,
PROUSDDR, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
CRN (83387-25-1)

Absolute stereochemistry.

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● Br⁻

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

141 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
141 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.88	8.10

FULL ESTIMATED COST

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FILE 'USPATFULL' ENTERED AT 17:05:29 ON 26 FEB 2009
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FILE 'USPATOLD' ENTERED AT 17:05:29 ON 26 FEB 2009
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=> s ll
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L2          472 L1
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=> s solution
33 FILES SEARCHED...
L3      7560721 SOLUTION
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```
=> 's ll and l2
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'S IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
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=> s ll and l2
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L4 472 L1 AND L2

=> s 12 and 13
L5 49 L2 AND L3

=> s pH
L6 7717984 PH

=> s chelat?
L7 666798 CHELAT?

=> s 15 and 16 and 17
L8 8 L5 AND L6 AND L7

=> dup rem
ENTER L# LIST OR (END):18
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONO2,
IMSPRODUCT, KOSMET, NUTRACEUT, PCTGEN, PHARMAML, USGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L8
L9 8 DUP REM L8 (0 DUPLICATES REMOVED)

=> s 19 and pd<2004
5 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
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'2004' NOT A VALID FIELD CODE
14 FILES SEARCHED...
16 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
22 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
27 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
31 FILES SEARCHED...
L10 0 L9 AND PD<2004

=> s EDTA or dipotassium edetate or disodium etetate or edetate calcium disodium or sodium
edetate or trisodium edetate or potassium edetate
21 FILES SEARCHED...
33 FILES SEARCHED...
L11 451335 EDTA OR DIPOTASSIUM EDETATE OR DISODIUM ETETATE OR EDETATE CALCI
UM DISODIUM OR SODIUM EDETATE OR TRISODIUM EDETATE OR POTASSIUM
EDETATE

=> s 15 and 111

10821811

L12 16 L5 AND L11

=> dup rem
ENTER L# LIST OR (END):112
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONOG2,
IMSPRODUCT, KOSMET, NUTRACEUT, PCTGEN, PHARMAML, USGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L12
L13 16 DUP REM L12 (0 DUPLICATES REMOVED)

=> s 113 and pd<2004
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'2004' NOT A VALID FIELD CODE
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'2004' NOT A VALID FIELD CODE
14 FILES SEARCHED...
16 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
22 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
27 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
31 FILES SEARCHED...
L14 1 L13 AND PD<2004

=> d 114 ibib, kwic

L14 ANSWER 1 OF 1 USPATFULL on STN
ACCESSION NUMBER: 2003:30960 USPATFULL
TITLE: Use of methylalntrexone to treat immune suppression
INVENTOR(S): Moss, Jonathan, Chicago, IL, UNITED STATES
Yuan, Chun-Su, Chicago, IL, UNITED STATES
PATENT ASSIGNEE(S): University of Chicago, Chicago, IL (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 20030022909	A1	20030130	<--
APPLICATION INFO.:	US 2002-163482	A1	20020605 (10)	

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295571P	20010605 (60)
	US 2002-374454P	20020422 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Chantal Morgan D'Apuzzo, Wolf, Greenfield & Sacks, P.C., 600 Atlantic Ave., Boston, MA, 02210	
NUMBER OF CLAIMS:	81	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1407	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

SUMM . . . Methylalntrexone is available in a powder form from
Mallinckrodt Pharmaceuticals, St. Louis, Mo. Methylalntrexone can be
prepared as a sterile solution at a concentration of 5 mg/ml.
Methylalntrexone can also be administered as an oral agent in a capsule
or tablet or in an oral solution.
DETD [0089] Blood is drawn from the arm catheter used for methylalntrexone
injection into EDTA Vacutainers prelabeled with the study
number, subject number and initials, dose number, date, time of sample,

at the times indicated. . .

IT 73232-52-7, Methylalntrexone
(peripheral opioid antagonists such as methylalntrexone to treat
opioid-induced immune suppression)

=> dup rem
ENTER L# LIST OR (END):15
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONO2,
IMSPRODUCT, KOSMET, NUTRACEUT, PCTGEN, PHARMAML, USGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L5
L15 45 DUP REM L5 (4 DUPLICATES REMOVED)

=> s 115 and pd<2004
5 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
'2004' NOT A VALID FIELD CODE
'2004' NOT A VALID FIELD CODE
14 FILES SEARCHED...
16 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
22 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
27 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
31 FILES SEARCHED...
L16 3 L15 AND PD<2004

=> d 116 1-3 ibib, kwic

L16 ANSWER 1 OF 3 USPATFULL on STN
ACCESSION NUMBER: 2003:30960 USPATFULL
TITLE: Use of methylalntrexone to treat immune suppression
INVENTOR(S): Moss, Jonathan, Chicago, IL, UNITED STATES
Yuan, Chun-Su, Chicago, IL, UNITED STATES
PATENT ASSIGNEE(S): University of Chicago, Chicago, IL (U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 20030022909	A1	20030130	<--
APPLICATION INFO.:	US 2002-163482	A1	20020605	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295571P	20010605 (60)
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LEGAL REPRESENTATIVE:	Chantal Morgan D'Apuzzo, Wolf, Greenfield & Sacks, P.C., 600 Atlantic Ave., Boston, MA, 02210	
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Mallinckrodt Pharmaceuticals, St. Louis, Mo. Methylalntrexone can be
prepared as a sterile solution at a concentration of 5 mg/ml.
Methylalntrexone can also be administered as an oral agent in a capsule

or tablet or in an oral solution.

IT 73232-52-7, Methylaltrexone
(peripheral opioid antagonists such as methylaltrexone to treat
opioid-induced immune suppression)

L16 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 1998:115766 USPATFULL
TITLE: Pharmaceutical compositions comprising an opiate
antagonist and calcium salts, their use for the
treatment of endorphin-mediated pathologies
INVENTOR(S): Minoia, Paolo, Via M. Viterbo 12, I-70013 Castellana
Grotte, (Bari), Italy
Sciorsci, Raffaele Luigi, Via Positano, 84/B, I-70014
Conversano, (Bari), Italy

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5811451		19980922	<--
	WO 9531985		19951130	<--
APPLICATION INFO.:	US 1996-737902		19961121	(8)
	WO 1995-EP1931		19950522	
			19961121	PCT 371 date
			19961121	PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	IT 1994-MI1048	19940524
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	MacMillan, Keith D.	
LEGAL REPRESENTATIVE:	Bucknam and Archer	
NUMBER OF CLAIMS:	17	
EXEMPLARY CLAIM:	1	
LINE COUNT:	464	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

DETD The administration of 5 mg of naloxone dissolved in a solution
of 50 g of calcium gluconate in 500 ml of sterile water in one cow
affected by the above mentioned. . . .

DETD 40 dogs affected by parvovirus gastroenteritis were treated i.v. daily
with a sterile aqueous solution containing naloxone (0.5-1
mg), calcium gluconate (0.5 g), vitamin C (500-1000 mg), vitamin K (1
g).

IT 50-81-7, Vitamin C, biological studies 125-73-5, Dextrorphan
137-08-6, Calcium pantothenate 299-28-5, Calcium gluconate 465-65-6,
Naloxone 591-64-0, Calcium levulinate 814-80-2, Calcium lactate
2520-36-7, Ficine 5001-51-4, Calcium lactobionate 5743-27-1, Calcium
ascorbate 5743-34-0, Calcium borogluconate 6384-92-5 7440-70-2D,
Calcium, salts 9001-00-7, Bromelin 9001-01-8, Callicrein 9001-09-6,
Chymopapain 9001-12-1, Collagenase 9001-73-4, Papaine 9001-75-6,
Pepsin 9001-92-7, Protease 9002-07-7, Trypsin 9004-06-2, Elastase
9004-07-3, Chymotrypsin 9014-01-1, Subtilisin 9028-00-6, Clostripain
12001-79-5, Vitamin K 14357-78-9, Diprenorphine 16590-41-3,
Naltrexone 17673-25-5, Phorbol 20123-80-2, Calcium dobesilate
20594-83-6, Halbuphine 29039-00-7, Calcium glucoheptonate 37228-80-1,
Proteinase A 39450-01-6 55096-26-9, Nalmefene 56095-64-8
56649-76-4, MR-2266 71276-43-2, Quadazocine 72782-05-9,
B-Funaltrexamine 73232-50-5, Methylnaloxonium 73232-52-7
73674-85-8, Naloxazone 75684-07-0, Bremazocine 81669-70-7,
Metalloendopeptidase 82823-99-2, Naltrexonazine 82824-01-9,

Maloxonazine 89352-67-0, ICI 174864 103429-31-8, CTOP 105618-26-6,
 Norbinaltorphimine 110881-59-9 111555-53-4, Maltrindole
 111555-58-9, Maltriben 126876-64-0, Maltrindole-5'-isothiocyanate
 129468-28-6, 7-Benzylidenenaltrexone 136109-04-1, LY 274614
 (comps. containing opiate antagonist and calcium salts for treatment of
 endorphin-mediated disorders in human and veterinary medicine)

L16 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 79:47543 USPATFULL
 TITLE: Quaternary derivatives of noroxymorphone which relieve
 intestinal immobility
 INVENTOR(S): Goldberg, Leon I., Chicago, IL, United States
 Merz, Herbert, Ingelheim am Rhein, Germany, Federal
 Republic of
 Stockhaus, Klaus, Bingen, Germany, Federal Republic of
 PATENT ASSIGNEE(S): Boehringer Ingelheim GmbH, Ingelheim am Rhein, Germany,
 Federal Republic of (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 4176186		19791127	<--
APPLICATION INFO.:	US 1978-928821		19780728	(5)
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	Granted			
PRIMARY EXAMINER:	Daus, Donald G.			
ASSISTANT EXAMINER:	Rivers, Diana G.			
LEGAL REPRESENTATIVE:	Hammond & Littell			
NUMBER OF CLAIMS:	4			
EXEMPLARY CLAIM:	1,3,4			
LINE COUNT:	413			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

DETD An excess of concentrated ammonia was added to a concentrated aqueous
solution of 18.2 gm (0.05 mol) of N-allyl-noroxymorphone
 hydrochloride, whereupon the free base precipitated, which was separated
 by extraction with chloroform. . . . dried with sodium sulfate and
 evaporated in vacuo. The residue was dissolved in 150 ml of absolute
 acetone, the resulting solution was admixed with 18 ml (0.29
 mol) of methyl iodide in a pressure vessel, the vessel was sealed, and
 the. . . .
 DETD . . . the free base as described in Example 1. The free base was
 dissolved in 180 ml of absolute acetone, the solution was
 admixed with 33.0 ml (0.6 mol) of methyl bromide in a pressure vessel,
 the vessel was sealed, and its. . . .
 DETD . . . base was dissolved in 40 ml of absolute acetone, 3.8 gm (0.03
 mol) of dimethyl sulfate were added to the solution, and the
 mixture was refluxed for 48 hours, during which time an oil gradually
 separated out. Thereafter, the oil was. . . .
 DETD . . . (0.0256 mol) of N-allyl-noroxymorphone methiodide, prepared in
 accordance with Example 1, were dissolved in 500 ml of water, and the
solution was filtered through a column charged with a strongly
 basic anion exchanger (bromide-loaded anion exchanger, 171 gm, with an
 exchange. . . . 70° C. The residue was dissolved in 100 ml of
 methanol, and 100 ml of ether were added to the solution,
 whereupon 9.65 gm (92% of theory) of the methobromide, m.p. 245°
 C., separated out. After recrystallization from methanol it had. . . .
 DETD . . . were dissolved in a mixture consisting of 50 ml of absolute
 acetone and 0.5 ml of dimethylformamide, and the resulting
solution was admixed with 4.25 gm (44.8 millimols) of methyl
 bromide. The reaction mixture was then allowed to stand for three. . . .

- DETD . . . hydrochloride in Example 1. The free base was dissolved in 50 ml of absolute acetone in a pressure vessel, the solution was admixed with 8 ml (0.128 mol) of methyl iodide, the vessel was sealed, and the reaction mixture was heated. . .
- DETD . . . millimols) of N-propargyl-noroxymorphone were dissolved in a mixture consisting of 30 ml of methanol and 20 ml of dimethylformamide, the solution was admixed with 6.8 gm (71.6 millimols) of methyl bromide, and the mixture was heated at 70° C. in a. . .
- DETD . . . methylene chloride, 3.4 gm (0.033 mol) of triethylamine were added and, while cooling the mixture on an ice bath, a solution of 2.6 gm (0.033 mol) of acetyl chloride in absolute methylene chloride was admixed therewith. The ice bath was then. . . reaction mixture was slowly allowed to warm to room temperature and was subsequently refluxed for one hour. Thereafter, the reaction solution was cooled, washed twice with ice water, dried with sodium sulfate and evaporated in vacuo, leaving as the residue O.sup.3. . .
- DETD . . . in analogy to the procedure of Example 2. After a reaction time of seven days at 70° C., the reaction solution was evaporated in vacuo, leaving as the residue O.sup.3 -acetyl-N-allyl-noroxymorphone methobromide.
- DETD (c) The evaporation residue obtained in step (c) was dissolved in 1 N hydrobromic acid, and the solution was evaporated in vacuo on a water bath at 60° C. The residue was crystallized as described in Example 2,. . .
- DETD . . . was dissolved in 60 ml of absolute methylene chloride. While stirring and cooling it on an ice bath, the resulting solution was admixed with 2.22 gm (0.015 mol) of trimethyloxonium fluoroborate. After 1 hour the ice bath was removed, and the mixture was stirred for sixteen hours at room temperature. Thereafter, the reaction solution was evaporated, the residual quaternary fluoroborate was dissolved in 150 ml of water, and the solution was filtered, in analogy to Example 2, through a strong basic anion exchange column (175 gm, OH-form, about 0.25 Val), and the column was rinsed with about 1 liter of water. The combined aqueous solutions were then acidified with concentrated hydrobromic acid (pH about 3) and subsequently evaporated in vacuo on a water bath at. . .
- DETD . . . mol) of trans-3-chloroallyl chloride and 70 ml of dimethylformamide was stirred for four hours at 90° C. Thereafter, the reaction solution was evaporated in vacuo, and the residue was shaken with a mixture of 75 ml of chloroform and 75 ml. . .
- DETD The hydrochloride, m.p. 243° C., was obtained by dissolving the base in methanolic hydrochloric acid and adding ether to the solution until it just turned cloudy.
- DETD . . . hydrochloride, m.p. 202° C., was obtained by dissolving the base in ethanolic hydrochloric acid and adding ether thereto until the solution just began to turn cloudy.
- DETD . . . inert pharmaceutical carrier and one effective dosage unit of the active ingredient, such as tablets, coated pills, capsules, wafers, powders, solutions, suspensions, emulsions, syrups, suppositories and the like. One effective dosage unit of the compounds according to the present invention is. . .
- DETD . . . a portion of the inert excipients, and the mixture is granulated in conventional manner with the aid of an aqueous solution of the soluble starch. The granulate is then dried and admixed with the remainder of the inert excipients, and the. . .
- DETD Hypodermic solution
- DETD The solution is compounded from the following ingredients:
- DETD The active ingredient and the sodium chloride are dissolved in the distilled water, the solution is filtered until free from

suspended particles, and the filtrate is filled into 5 cc-ampules which are sterilized and sealed.. . .

DETD Drop solution

DETD The solution is compounded from the following ingredients:

DETD The active ingredient and the p-hydroxy-benzoates (preservatives) are dissolved in the de-mineralized water, the solution is filtered, and the filtrate is filled into 100 ml-bottles. 5 ml of the solution are an oral dosage unit composition containing 50 mgm of the active ingredient.

IT 73232-44-7P 73232-48-1P 73232-49-2P 73232-51-6P 73232-52-7P
 73232-53-8P 73232-54-9P 73232-56-1P 73246-51-2P
 (preparation of)

=> s disodium edetate
 L17 4470 DISODIUM EDETATE

=> d his

(FILE 'HOME' ENTERED AT 17:04:33 ON 26 FEB 2009)

FILE 'REGISTRY' ENTERED AT 17:04:47 ON 26 FEB 2009

L1 1 S METHYLNALTREXONE/CN

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, BIOTECHNO, CAPLUS, DDFB, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ESBIODASE, IFIPAT, IMSDRUGNEWS, IMSPRODUCT, IPA, KOSMET, LIFESCI, MEDLINE, NAPRALERT, NLDB, NUTRACEUT, PASCAL, PCTGEN, PHARMAML, ...' ENTERED AT 17:05:29 ON 26 FEB 2009

L2 472 S L1
 L3 7560721 S SOLUTION
 L4 472 S L1 AND L2
 L5 49 S L2 AND L3
 L6 7717984 S PH
 L7 666798 S CHELAT?
 L8 8 S L5 AND L6 AND L7
 L9 8 DUP REM L8 (0 DUPLICATES REMOVED)
 L10 0 S L9 AND PD<2004
 L11 451335 S EDTA OR DIPOTASSIUM EDETATE OR DISODIUM ETETATE OR EDETATE CA
 L12 16 S L5 AND L11
 L13 16 DUP REM L12 (0 DUPLICATES REMOVED)
 L14 1 S L13 AND PD<2004
 L15 45 DUP REM L5 (4 DUPLICATES REMOVED)
 L16 3 S L15 AND PD<2004
 L17 4470 S DISODIUM EDETATE

=> s l11 or l17
 L18 453892 L11 OR L17

=> s l18 and l2
 L19 17 L18 AND L2

=> dup rem
 ENTER L4 LIST OR (END):119
 DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, DGENE, DRUGMONOG2, IMSPRODUCT, KOSMET, NUTRACEUT, PCTGEN, PHARMAML, USGENE'.
 ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
 PROCESSING COMPLETED FOR L19
 L20 17 DUP REM L19 (0 DUPLICATES REMOVED)

10821811

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=> s l20 and pd<2004
    5 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
'2004' NOT A VALID FIELD CODE
'2004' NOT A VALID FIELD CODE
    14 FILES SEARCHED...
    16 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
    22 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
    27 FILES SEARCHED...
'2004' NOT A VALID FIELD CODE
    31 FILES SEARCHED...
L21      1 L20 AND PD<2004
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=> d l21 ibib, kwic
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L21 ANSWER 1 OF 1  USPATFULL on STN
ACCESSION NUMBER:      2003:30960  USPATFULL
TITLE:                 Use of methylnaltrexone to treat immune suppression
INVENTOR(S):           Moss, Jonathan, Chicago, IL, UNITED STATES
                      Yuan, Chun-Su, Chicago, IL, UNITED STATES
PATENT ASSIGNEE(S):    University of Chicago, Chicago, IL (U.S. corporation)
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	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 20030022909	A1	20030130	<--
APPLICATION INFO.:	US 2002-163482	A1	20020605	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-295571P	20010605 (60)
	US 2002-374454P	20020422 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Chantal Morgan D'Apuzzo, Wolf, Greenfield & Sacks, P.C., 600 Atlantic Ave., Boston, MA, 02210	
NUMBER OF CLAIMS:	81	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1407	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		
DETD [0089] Blood is drawn from the arm catheter used for methylnaltrexone injection into <u>EDTA</u> Vacutainers prelabeled with the study number, subject number and initials, dose number, date, time of sample, at the times indicated. . .		
IT <u>73232-52-7</u> , Methylnaltrexone (peripheral opioid antagonists such as methylnaltrexone to treat opioid-induced immune suppression)		